

2021 Qualifying Events Report

December 11, 2021 Event

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Event Description

Event Date and Time

Start: 12/11/2021, 00:30

End: 12/12/2021, 15:00

Event Type

Wind

Service Areas Significantly Affected

Whatcom, Skagit, Island, Thurston and Kitsap Counties as well as Vashon Island

Number of Customers Affected

System wide, approximately 63,393 customers were without power during the course of this event

Summary of System Impacts

Total Number of Outages for the Event	265
Transmission Line Segments Affected	1
Impacted Substations	1

Mobilization Summary

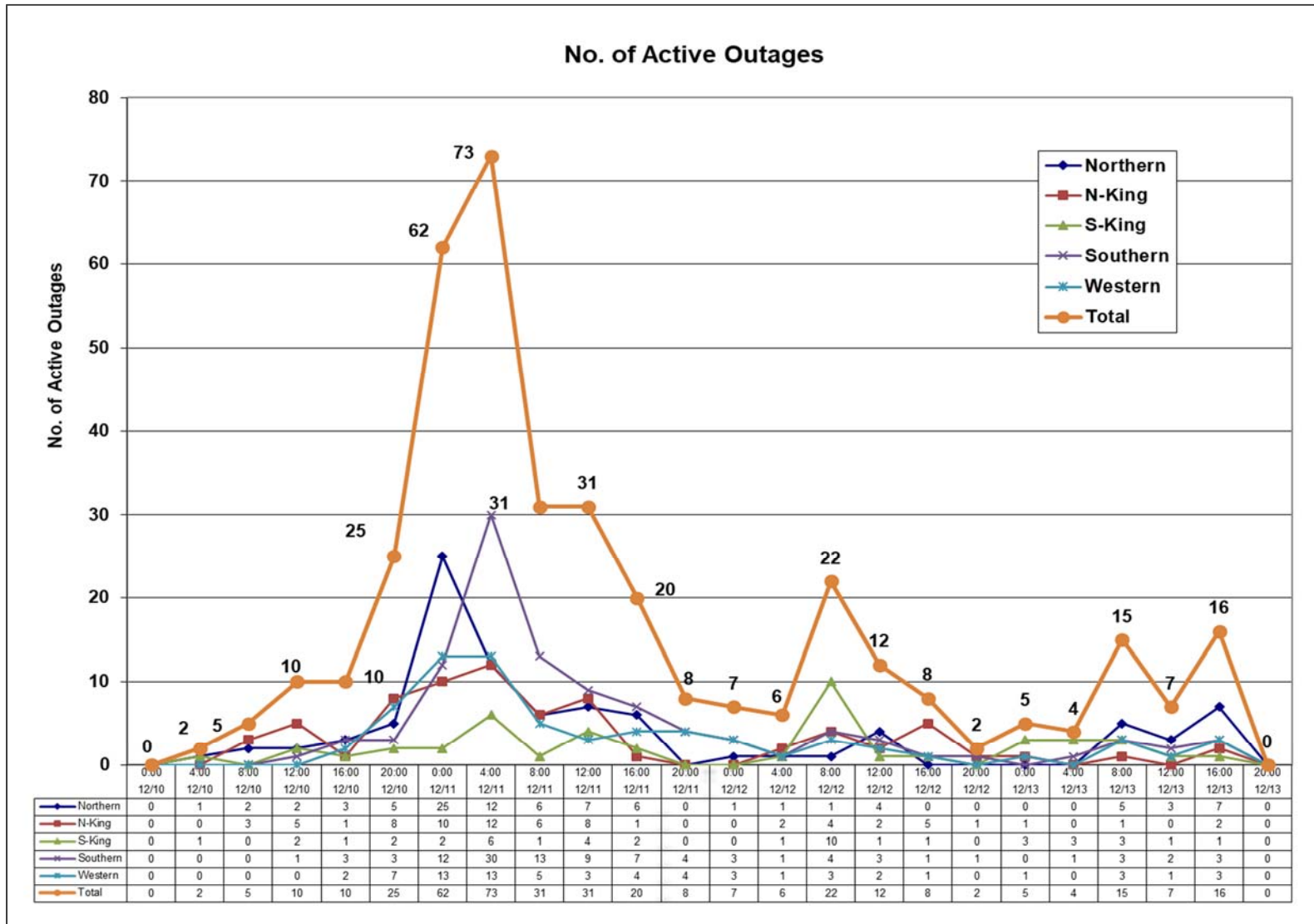
Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom	12/11/2021	02:00	11/11/2021	18:30
Skagit	12/11/2021	02:00	11/11/2021	18:30
Island	12/11/2021	02:00	12/11/2021	18:30
North King	N/A			
South King	N/A			
Pierce	N/A			
Thurston	12/11/2021	07:00	12/12/2021	12:00
Kitsap	12/11/2021	07:00	12/12/2021	09:30
Vashon	12/11/2021	07:00	12/12/2021	09:30
Kittitas	N/A			

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	N/A			

Active Outages Chart



Major Event – Qualification Summary

IEEE1 Standard 1366

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of electric system service reliability indices, to identify factors which affect the indices, and to aid in consistent reporting practices among utilities. Also, it provides guidance for new personnel in the reliability area and tools for internal as well as external comparisons. The Major Event Day definition was created as part of IEEE Standard 1366 to allow for consistent calculation of reliability metrics between utilities and enable more valid comparisons with other utility reliability metrics.

IEEE Major Event Day Calculation (2.5 BETA METHOD)

1. A threshold on daily SAIDI² is computed once a year, following year end
2. Assemble the 5 most recent years of historical values of SAIDI/day
3. Discard any days in the data set that has a SAIDI/day of zero
4. Find the natural logarithm of each value in the data set
5. Compute the average (Alpha) and the standard deviation (Beta) of the natural logarithms computed in step 4
6. Compute the threshold T_{MED} where $T_{MED} = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI > T_{MED} is a major event day

Puget Sound Energy's IEEE Major Event Threshold (T_{MED}) for 2021: 6.38 Minutes

Qualified Event - Calculation Detail - Current Event

Event Date, Time Range	Total Outages	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
12/11/2021, 00:30 – 12/12/2021, 15:00	265	21,222,418	1,199,694	17.69

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

* Update since last report

YTD Qualified Events - First Day the Daily SAIDI Exceeded T_{MED} of 6.38 Minutes

Date	Daily SAIDI (from midnight to midnight)	Total O&M Costs
1/12/2021	54.72	\$20,351,703
2/13/2021	10.33	\$2,510,326
6/26/2021	7.60	\$1,977,858
9/17/2021	63.86	\$4,218,871
10/24/2021	53.89	\$7,412,135
11/09/2021	9.96	\$1,111,297
11/15/2021	99.80	\$8,753,049
12/11/2021	16.93	\$1,753,002

Event Restoration – YTD Cost Summary

Starting from the 2018 calendar year, PSE continues its existing Qualifying Storm Loss Deferral Mechanism for any storm restoration costs incurred on or after January 1, 2018, with the following modifications that were agreed to in settlement and the settlement was approved by the Commission in PSE's 2017 general rate case :

- (i) the cumulative annual cost threshold for deferral of storms under the Qualifying Storm Loss Deferral Mechanism shall be increased from \$8 million to \$10 million,
- (ii) qualifying events that cost less than \$500,000 will not qualify for deferral, and
- (iii) the cumulative annual cost threshold for the Qualifying Storm Loss Deferral Mechanism shall exclude storm events with costs less than \$500,000.

(Page 22 of Appendix B to Order 08 in consolidated Dockets UE-170033 and UG-170034)

2021 Restoration Costs Detail - By Storm Event

Event Date	Qualified Events Deferred Account	Capital Costs	O&M Costs Not Deferrable	O&M Costs Deferrable Accumulation	Total O&M Costs	Total Costs
(A)	(B)	(C)	(D)	(E)	(F) = (B)+(D)+(E)	(G)= (F) + (C)
1/12/21	\$10,351,703	\$3,528,755	\$0	\$10,000,000	\$20,351,703	\$23,880,457
2/11/21 ^{Note}	\$0	\$129,347	\$289,022	\$0	\$289,022	\$418,369
2/13/21	\$2,510,326	\$248,158	\$0	\$0	\$2,510,326	\$2,758,484
6/26/21	\$1,977,858	\$0	\$0	\$0	\$1,977,858	\$1,977,858
9/17/21	\$4,218,871	\$808,596	\$0	\$0	\$4,218,871	\$5,027,466
10/24/21	\$7,412,135	\$1,923,690	\$0	\$0	\$7,412,135	\$9,335,825
11/9/2021	\$1,111,297	\$246,565	\$0	\$0	\$1,111,297	\$1,357,863
11/14/2021	\$8,753,049	\$2,134,812	\$0	\$0	\$8,753,049	\$10,887,861
12/11/2021	\$1,753,002	\$38,078		\$-	\$1,753,002	\$1,791,080

Note: 2/11/21 event is not a Qualifying Event. All costs associated with this event are not deferrable.

2021 YTD Storm Restoration Cost Summary

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
\$38,088,242	\$9,058,000	\$289,022	\$10,000,000	\$48,377,264	\$57,435,265

Detail Documents

Restoration Costs Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Restoration Costs Detail – Current Event

December 11 Qualifying Storm Damage Repair Costs						
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	\$ -	\$ -		\$ 8,877	\$ 8,877	\$ 8,877
OT	\$ -	\$ -		\$ 212,666	\$ 212,666	\$ 212,666
Total Labor	\$ -	\$ -	\$ -	\$ 221,544	\$ 221,544	\$ 221,544
Labor OH	\$ -	\$ 2,196		\$ -	\$ -	\$ 2,196
Materials	\$ -	\$ 31,159		\$ 40,836	\$ 40,836	\$ 71,995
Contractors	\$ -	\$ 4,667		\$ 1,377,709	\$ 1,377,709	\$ 1,382,376
Other Direct Cha	\$ -	\$ -		\$ 5,391	\$ 5,391	\$ 5,391
Fleet	\$ -	\$ -		\$ -	\$ -	\$ -
Other Assessme	\$ -	\$ 56		\$ 107,522	\$ 107,522	\$ 107,578
Deferred Expens	\$ 1,753,002	\$ -		\$ -	\$ -	\$ -
	\$ 1,753,002	\$ 38,078	\$ -	\$ 1,753,002	\$ 1,753,002	\$ 1,791,080

ST: Standard time

OT: Over time

OH: Overhead

Detailed List of Outages – First TMED-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00775443-1	12/11/2021	12:07:19 AM	AIR-22	ECC	EF	OFU	38	30,315
P00775444-1	12/11/2021	12:07:39 AM	HAZ-15	EBE	TV	UOT	18	5,953
P00775449-1	12/11/2021	12:10:10 AM	MAN-16	ECD	TV	OCO	58	84,204
P00775675-1	12/11/2021	12:17:51 AM	VAS-12	EBL	TV	OCO	6	11,396
P00776718-1	12/11/2021	12:20:14 AM	MSI-24	EBD	TV	OFU	82	89,988
P00775462-1	12/11/2021	12:21:41 AM	HAN-16	EAA	TV	OCO	1,234	542,803
P00775454-1	12/11/2021	12:30:06 AM	MSI-24	EBD	TV	OCO	73	53,890
P00776283-1	12/11/2021	12:32:28 AM	VAS-12	EBL	TV	OCO	7	13,624
P00775470-1	12/11/2021	12:37:18 AM	SCH-16	EAA	TV	SCB	334	104,839
P00775468-1	12/11/2021	12:38:30 AM	BLU-13	ECC	TV	OCO	27	45,920
P00775472-1	12/11/2021	12:40:07 AM	HKX-16	EAC	TV	OCO	33	23,572
P00775473-1	12/11/2021	12:41:49 AM	HAP-16	EAA	TV	OFU	9	4,924
P00775477-1	12/11/2021	12:46:08 AM	BLU-16	ECC	TV	OFU	22	22,572
P00775719-1	12/11/2021	12:55:25 AM	PLU-24	ECC	UN	OFU	23	27,691
P00775499-1	12/11/2021	12:58:40 AM	SLA-17	EAA	TV	SCB	1,954	746,559
P00775495-1	12/11/2021	1:00:05 AM	AIR-23	ECC	TV	OFU	110	104,660
P00775529-1	12/11/2021	1:07:47 AM	RPT-26	ECD	TV	OCO	44	53,188
P00775513-1	12/11/2021	1:10:54 AM	SLA-16	EAA	TV	OCO	7	5,501
P00775516-1	12/11/2021	1:13:36 AM	BRI-14	EAA	EF	OFU	270	83,039
P00775522-1	12/11/2021	1:16:02 AM	PAT-13	ECC	TV	SCB	1,666	1,161,785
P00775523-1	12/11/2021	1:18:15 AM	BTR-22	EBE	TV	OCO	5	6,321
P00775528-1	12/11/2021	1:18:32 AM	PAT-15	ECC	EF	SCB	1,033	638,516
P00775533-1	12/11/2021	1:31:04 AM	BCH-16	EAA	TV	OCO	37	28,870
P00775534-1	12/11/2021	1:31:32 AM	MCW-15	ECE	TV	OSV	45	24,464
P00775537-1	12/11/2021	1:33:18 AM	WOB-26	EAA	TV	SCB	1,411	287,632
P00775563-1	12/11/2021	1:36:00 AM	TLN-0060	EAA	TV	OCO	-	1,064,572
P00775545-1	12/11/2021	1:37:55 AM	RIT-17	EAC	TV	OFU	218	87,596
P00775572-1	12/11/2021	1:38:59 AM	BCH-16	EAA	TV	OPO	30	20,027
P00775279-2	12/11/2021	1:46:11 AM	SME-15	EBE	EF	OPO	53	6,746
P00775573-1	12/11/2021	1:56:43 AM	VWY-12	EAA	TV	OCO	44	17,076
P00775575-1	12/11/2021	2:02:16 AM	LGY-16	EAD	TV	OFU	10	1,940
P00775581-1	12/11/2021	2:08:17 AM	BCH-15	EAA	TV	OCO	28	22,325
P00775589-1	12/11/2021	2:08:44 AM	FRA-15	ECD	TV	OCO	173	102,699
P00775586-1	12/11/2021	2:11:19 AM	ING-13	EBD	TV	OCO	297	264,617
P00775800-1	12/11/2021	2:14:23 AM	PMA-13	ECE	TV	OPO	61	123,119
P00775610-1	12/11/2021	2:18:17 AM	PMA-13	ECE	TV	OCO	64	33,071
P00775633-1	12/11/2021	2:18:33 AM	WIN-12	ECE	TV	OCO	40	23,070
P00775604-1	12/11/2021	2:22:15 AM	SWD-12	ECE	TV	OHR	360	65,094
P00775613-1	12/11/2021	2:29:38 AM	COT-16	EBD	TV	SCB	1,160	413,482
P00775621-1	12/11/2021	2:33:34 AM	AIR-26	ECC	TV	SCB	432	200,311
P00775794-1	12/11/2021	2:39:04 AM	BRI-14	EAA	TV	OFU	15	3,344
P00775634-1	12/11/2021	2:47:29 AM	VIS-26	EAA	TV	OCO	106	40,934
P00775636-1	12/11/2021	2:53:10 AM	RPT-22	ECD	TV	OCO	62	47,264
P00775638-1	12/11/2021	2:53:27 AM	VWY-13	EAA	TV	OCO	46	19,211
P00775645-1	12/11/2021	2:56:10 AM	LAB-23	EAA	TV	OFU	596	119,310

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00775644-1	12/11/2021	2:56:44 AM	VAS-13	EBL	TV	OCO	234	196,140
P00775977-1	12/11/2021	2:57:49 AM	FRA-12	ECD	EF	OFC	29	24,420
P00775657-1	12/11/2021	3:06:04 AM	CEK-14	ECE	TV	OCO	315	90,563
P00775857-1	12/11/2021	3:11:23 AM	MIL-22	ECE	TV	OCO	15	10,822
P00775665-1	12/11/2021	3:14:50 AM	BIG-12	EAC	TV	OFU	3	2,369
P00775667-1	12/11/2021	3:15:33 AM	NLM-16	EAC	TV	OFU	26	9,065
P00775668-1	12/11/2021	3:16:12 AM	SWE-27	EBJ	TV	OCO	9	882
P00775669-1	12/11/2021	3:16:38 AM	ASB-13	EBJ	EF	OTR	13	4,449
P00775672-1	12/11/2021	3:23:16 AM	BLU-17	ECC	TV	OFU	66	19,978
P00775677-1	12/11/2021	3:25:07 AM	BLU-13	ECC	TV	OFU	44	30,682
P00775982-1	12/11/2021	3:25:12 AM	BLU-16	ECC	EF	OFU	3	2,478
P00775680-1	12/11/2021	3:25:57 AM	TRA-22	ECE	TV	OCO	1	662
P00775757-1	12/11/2021	3:28:00 AM	LAB-27	EAA	TV	OCO	23	15,297
P00775764-1	12/11/2021	3:30:34 AM	MAX-12	EAD	TV	OCO	60	25,436
P00775693-1	12/11/2021	3:47:36 AM	VIS-26	EAA	TV	OSV	1	825
P00775695-1	12/11/2021	3:48:16 AM	BIG-12	EAC	TV	OCO	192	93,161
P00776955-1	12/11/2021	3:52:55 AM	ELD-25	ECC	TV	OFU	13	18,582
P00775700-1	12/11/2021	4:00:22 AM	POU-15	ECE	TV	OCO	19	9,600
P00775701-1	12/11/2021	4:00:38 AM	ORT-23	ECA	TV	OFU	29	9,257
P00775702-1	12/11/2021	4:03:06 AM	GRI-15	ECC	EF	OFU	88	91,033
P00775703-1	12/11/2021	4:05:25 AM	MIL-17	ECE	TV	OCO	1	420
P00775704-1	12/11/2021	4:07:10 AM	CRE-15	EAD	TV	OCO	17	12,813
P00775706-1	12/11/2021	4:10:11 AM	FRG-22	ECC	TV	OFU	6	8,162
P00775717-1	12/11/2021	4:23:04 AM	MCW-16	ECE	TV	OCO	788	354,631
P00775718-1	12/11/2021	4:24:49 AM	LON-17	ECC	TV	OHR	716	345,518
P00775724-1	12/11/2021	4:28:56 AM	COT-13	EBD	TV	OCO	73	21,557
P00775728-1	12/11/2021	4:32:42 AM	MAP-16	EBE	TV	OCO	739	204,636
P00776978-1	12/11/2021	4:34:33 AM	RAI-12	ECC	TV	OFU	8	8,767
P00775760-1	12/11/2021	4:46:00 AM	LON-22	ECC	TV	OFU	9	10,398
P00775765-1	12/11/2021	4:49:00 AM	WLK-15	ECA	TV	OFU	21	18,575
P00775768-1	12/11/2021	4:54:33 AM	RAI-13	ECC	TV	OFU	78	80,969
P00775769-1	12/11/2021	4:56:00 AM	GRI-15	ECC	TV	OCO	11	19,130
P00775776-1	12/11/2021	4:56:50 AM	NBE-13	EBD	TV	SCB	1,171	295,207
P00776400-1	12/11/2021	4:58:09 AM	NBE-13	EBD	TV	OCO	28	11,268
P00776191-1	12/11/2021	4:58:35 AM	PLG-13	ECC	TV	OHR	534	379,736
P00775779-1	12/11/2021	4:59:33 AM	LON-26	ECC	TV	OFU	1	1,619
P00776786-1	12/11/2021	5:02:43 AM	LON-22	ECC	TV	OTF	3	1,730
P00775787-1	12/11/2021	5:04:09 AM	RAI-13	ECC	TV	OFU	10	7,578
P00776413-1	12/11/2021	5:05:07 AM	NUG-26	EAA	TV	OCO	21	16,292
P00775801-1	12/11/2021	5:08:30 AM	PLG-13	ECC	TV	OFU	47	66,257
P00775805-1	12/11/2021	5:09:31 AM	CPV-15	EAD	TV	OSV	1	278
P00775808-1	12/11/2021	5:10:53 AM	FRG-25	ECC	TV	OTR	2	995
P00775809-1	12/11/2021	5:11:27 AM	SLA-16	EAA	EF	OTR	2	1,416
P00775810-1	12/11/2021	5:11:30 AM	SNQ-17	EBD	TV	OFU	6	1,682
P00775815-1	12/11/2021	5:15:52 AM	SIN-25	ECD	TV	OCR	209	172,451
P00775817-1	12/11/2021	5:17:56 AM	WLK-13	ECA	TV	OCO	1,187	260,843
P00775862-1	12/11/2021	5:27:25 AM	FRA-12	ECD	TV	OCO	17	16,568

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00775871-1	12/11/2021	5:31:25 AM	GRI-16	ECC	TV	OFU	42	49,072
P00775874-1	12/11/2021	5:34:23 AM	WIS-12	EBD	TV	OFU	120	66,634
P00775875-1	12/11/2021	5:34:25 AM	SST-14	EAA	EF	OFC	9	4,269
P00775877-1	12/11/2021	5:35:00 AM	RAI-13	ECC	TV	OFU	16	14,130
P00775884-1	12/11/2021	5:39:17 AM	MIR-15	EBD	TV	OFU	18	22,118
P00775886-1	12/11/2021	5:40:32 AM	FAL-16	EBD	TV	OFU	55	27,200
P00775890-1	12/11/2021	5:42:56 AM	BDI-13	EBI	EF	UPC	3	1,913
P00775891-1	12/11/2021	5:43:17 AM	FAL-13	EBD	TV	OCO	135	43,553
P00775914-1	12/11/2021	5:54:21 AM	LUH-15	ECC	TV	SCB	2,442	822,810
P00775916-1	12/11/2021	5:57:57 AM	PMA-16	ECE	TV	OCO	26	28,237
P00775919-1	12/11/2021	5:59:00 AM	ELD-23	ECC	TV	OFU	2	3,778
P00775920-1	12/11/2021	5:59:36 AM	GRI-16	ECC	TV	OTP	63	80,595
P00775927-1	12/11/2021	5:59:36 AM	FNW-16	ECD	TV	OCO	1,700	360,665
P00775934-1	12/11/2021	6:07:02 AM	CAM-26	EBJ	UN	OHR	746	86,698
P00776547-1	12/11/2021	6:07:57 AM	WLK-15	ECA	TV	OFU	-	10,021
P00775814-1	12/11/2021	6:08:59 AM	GRI-13	ECC	TV	UOT	9	2,124
P00775939-1	12/11/2021	6:11:44 AM	FRG-22	ECC	EF	OFU	24	37,315
P00775940-1	12/11/2021	6:12:33 AM	KEN-12	EAA	TV	OFU	25	3,691
P00775942-1	12/11/2021	6:13:50 AM	HOB-15	EBI	TV	OCO	14	4,776
P00775784-1	12/11/2021	6:18:31 AM	LON-22	ECC	TV	OTF	2	1,003
P00775971-1	12/11/2021	6:20:18 AM	SIN-24	ECD	TV	OCO	941	603,368
P00775974-1	12/11/2021	6:22:18 AM	HOB-16	EBI	EF	UPC	2	1,398
P00775975-1	12/11/2021	6:22:44 AM	BLU-13	ECC	TV	OFU	25	42,208
P00775984-1	12/11/2021	6:31:36 AM	CAS-16	EBH	EF	OCO	420	183,281
P00775989-1	12/11/2021	6:38:16 AM	LON-23	ECC	TV	OFU	69	53,722
P00775990-1	12/11/2021	6:38:20 AM	BRI-14	EAA	EF	OFU	98	14,442
P00776001-1	12/11/2021	6:45:17 AM	SST-12	EAA	EF	OTF	18	5,343
P00776002-1	12/11/2021	6:49:16 AM	LMD-16	EBI	TV	OFU	6	997
P00776237-1	12/11/2021	6:50:00 AM	FNW-16	ECD	TV	OCO	5,393	5,202,066
P00776224-1	12/11/2021	6:50:00 AM	TLN-0065	ECD	TV	OCO	-	61,784
P00776034-1	12/11/2021	6:52:37 AM	HAW-11	ECC	TV	UOT	7	5,346
P00776085-1	12/11/2021	6:54:30 AM	EGT-16	EBE	EF	OCN	1	1,136
P00776221-1	12/11/2021	7:00:00 AM	TLN-0153	ECC	TV	OCO	-	227,569
P00776230-1	12/11/2021	7:06:26 AM	EGT-15	EBE	TV	OFU	25	15,155
P00776240-1	12/11/2021	7:09:24 AM	FRA-13	ECD	TV	OCO	170	61,543
P00776247-1	12/11/2021	7:12:42 AM	HAM-13	EAC	TV	OCO	8	4,811
P00776249-1	12/11/2021	7:13:34 AM	PAT-16	ECC	EF	OFU	17	10,692
P00776263-1	12/11/2021	7:28:33 AM	SWA-16	EAD	TV	OFC	4	2,893
P00776271-1	12/11/2021	7:34:47 AM	HWD-25	EBD	TV	OTR	1	855
P00776275-1	12/11/2021	7:37:50 AM	ALG-12	EAC	TV	OCO	11	4,599
P00776276-1	12/11/2021	7:38:23 AM	LOL-21	ECD	TV	OTR	2	1,543
P00776282-1	12/11/2021	7:41:36 AM	SIN-22	ECD	TV	OCO	-	152,271
P00776299-1	12/11/2021	7:58:02 AM	LLS-17	EAA	TV	OIN	2,785	391,485
P00776296-1	12/11/2021	8:04:13 AM	LUH-14	ECC	TV	OCO	2,894	32,074
P00776300-1	12/11/2021	8:05:24 AM	LUH-17	ECC	TV	OCO	638	6,540
P00776328-1	12/11/2021	8:20:45 AM	ROE-13	EAA	EF	OCN	1	203
P00776337-1	12/11/2021	8:23:58 AM	MAN-12	ECD	TV	OTR	5	4,981

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00776348-1	12/11/2021	8:26:40 AM	LUH-14	ECC	TV	OFU	14	9,850
P00776366-1	12/11/2021	8:33:54 AM	LON-17	ECC	EF	OFU	11	12,741
P00776320-1	12/11/2021	8:42:05 AM	ETN-13	EBH	TV	OCO	1	392
P00776388-1	12/11/2021	8:44:49 AM	VWY-12	EAA	TV	OFU	23	3,462
P00776390-1	12/11/2021	8:46:01 AM	ING-13	EBD	TV	OCN	1	741
P00776402-1	12/11/2021	8:52:34 AM	LUH-17	ECC	TV	OFU	20	9,081
P00776409-1	12/11/2021	9:02:30 AM	WLK-13	ECA	TV	OHR	764	142,461
P00776453-1	12/11/2021	9:20:42 AM	EDG-13	ECA	EF	USV	1	140
P00776464-1	12/11/2021	9:30:26 AM	MSI-24	EBD	TV	OCO	99	114,419
P00776477-1	12/11/2021	9:33:57 AM	AVO-15	EBD	TV	OCO	2,645	395,373
P00776379-1	12/11/2021	9:43:07 AM	BRI-14	EAA	TV	OCO	167	85,944
P00776496-1	12/11/2021	9:43:51 AM	FRA-16	ECD	TV	OTR	1	600
P00776586-1	12/11/2021	9:44:22 AM	RAI-13	ECC	EF	OCN	-	11,710
P00776509-1	12/11/2021	9:48:19 AM	WIN-16	ECE	TV	OCO	19	18,676
P00776924-1	12/11/2021	9:58:09 AM	FNW-16	ECD	TV	OCO	2	2,857
P00775814-1	12/11/2021	10:06:05 AM	GRI-13	ECC	TV	UOT	64	11,424
P00776537-1	12/11/2021	10:14:46 AM	HAN-13	EAA	EF	OCO	10	1,595
P00776551-1	12/11/2021	10:25:53 AM	MKI-14	ECC	TV	OTR	4	2,484
P00776554-1	12/11/2021	10:29:21 AM	GRI-13	ECC	EF	OFU	1	940
P00776565-1	12/11/2021	10:39:49 AM	COT-16	EBD	TV	OFU	2	1,340
P00776438-1	12/11/2021	10:40:03 AM	HAM-13	EAC	TV	OCO	15	5,319
P00776581-1	12/11/2021	11:01:37 AM	FRG-24	ECC	TV	OFU	5	2,626
P00776582-1	12/11/2021	11:01:53 AM	MWD-13	EBE	TV	OTR	3	1,012
P00776589-1	12/11/2021	11:06:50 AM	LUH-14	ECC	TV	OTR	1	554
P00776609-1	12/11/2021	11:21:23 AM	WLS-16	EAC	EF	OTR	3	1,775
P00776636-1	12/11/2021	11:43:54 AM	COT-16	EBD	TV	UOT	4	774
P00775755-1	12/11/2021	11:59:22 AM	EPO-15	ECD	TV	OCO	11	6,649
P00776659-1	12/11/2021	12:10:15 PM	SIN-22	ECD	TV	OTR	6	3,154
P00776544-1	12/11/2021	12:21:24 PM	NBE-12	EBD	TV	OCO	47	9,015
P00776677-1	12/11/2021	12:24:18 PM	FRA-15	ECD	TV	OTR	4	6,689
P00776690-1	12/11/2021	12:34:41 PM	BTN-36	EAC	TV	OTF	1	141
P00776693-1	12/11/2021	12:37:07 PM	BON-15	ECA	TV	OFU	2	997
P00776698-1	12/11/2021	12:42:41 PM	SHD-18	EBJ	TV	OCO	17	10,137
P00776702-1	12/11/2021	12:48:30 PM	OVE-12	EBE	EF	UTR	5	5,840
P00776709-1	12/11/2021	12:58:53 PM	GRI-13	ECC	TV	OSV	1	709
P00776711-1	12/11/2021	1:00:05 PM	EGT-12	EBE	EF	UTR	11	20,048
P00776712-1	12/11/2021	1:01:22 PM	VAS-13	EBL	TV	OCO	8	9,323
P00775814-2	12/11/2021	1:07:37 PM	GRI-13	ECC	TV	OTR	1	359
P00776724-1	12/11/2021	1:10:15 PM	ETN-13	EBH	TO	OTF	7	138
P00776828-1	12/11/2021	1:30:13 PM	LGY-12	EAD	TV	OTF	1	137
P00776743-1	12/11/2021	1:49:13 PM	LGY-12	EAD	EF	OTF	1	118
P00776768-1	12/11/2021	2:08:36 PM	CAS-16	EBH	TV	OTF	3	841
P00776773-1	12/11/2021	2:20:43 PM	LLS-15	EAA	EF	UGF	173	11,908
P00776689-2	12/11/2021	2:29:34 PM	RAI-13	ECC	TV	OCO	1,390	133,593
P00776800-1	12/11/2021	3:01:07 PM	CHA-13	ECC	EF	OFU	67	20,839
P00776974-1	12/11/2021	3:08:23 PM	WIS-12	EBD	TV	OTF	5	1,580
P00776809-1	12/11/2021	3:13:28 PM	MAP-15	EBE	TV	OFU	13	7,341

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00776961-1	12/11/2021	3:23:53 PM	PRE-12	EBE	TV	UOT	60	35,964
P00776817-1	12/11/2021	3:27:48 PM	FRG-24	ECC	TV	OFU	6	2,630
P00775635-2	12/11/2021	3:31:35 PM	LLT-13	EBD	TV	OCO	233	12,085
P00775443-1	12/11/2021	3:34:34 PM	AIR-22	ECC	EF	OFU	38	4,468
P00776728-1	12/11/2021	3:36:10 PM	HOL-12	ECA	TV	OSV	8	267
P00776824-1	12/11/2021	3:38:09 PM	SLA-17	EAA	TV	OCO	2	662
P00776826-1	12/11/2021	3:45:16 PM	KNT-37	EBJ	EF	OCO	24	7,594
P00776827-1	12/11/2021	3:45:34 PM	LLS-15	EAA	EF	UFJ	311	38,452
P00776829-1	12/11/2021	3:48:00 PM	FRA-13	ECD	TV	OCO	170	49,711
P00776438-2	12/11/2021	3:59:02 PM	HAM-13	EAC	TV	OCO	26	921
P00776334-1	12/11/2021	3:59:40 PM	LON-17	ECC	TV	OFC	14	390
P00776847-1	12/11/2021	4:27:25 PM	LLT-13	EBD	EF	UPC	33	46,521
P00776850-1	12/11/2021	4:30:43 PM	GWR-16	EBJ	UN	OFU	33	6,884
P00776537-2	12/11/2021	4:38:46 PM	HAN-13	EAA	EF	OFC	10	240
P00776859-1	12/11/2021	4:50:44 PM	BIG-12	EAC	TV	OFU	2	113
P00775977-1	12/11/2021	5:00:05 PM	FRA-12	ECD	EF	OFC	9	245
P00776862-1	12/11/2021	5:01:25 PM	PAN-15	EBJ	EF	OTR	4	195
P00776864-1	12/11/2021	5:07:37 PM	GRI-16	ECC	TV	OFU	2	5,852
P00776865-1	12/11/2021	5:07:38 PM	PLG-13	ECC	TV	OFU	54	42,526
P00776871-1	12/11/2021	5:24:37 PM	WOL-25	ECC	TV	OTF	4	382
P00776872-1	12/11/2021	5:28:52 PM	WOL-25	ECC	TV	OFU	13	1,180
P00776933-1	12/11/2021	5:30:35 PM	FRA-12	ECD	UN	OCO	6	7,762
P00776984-1	12/11/2021	5:54:52 PM	SPG-13	ECC	EF	OFU	17	4,934
P00776886-1	12/11/2021	6:04:53 PM	WOL-25	ECC	TV	OTF	6	333
P00776888-1	12/11/2021	6:09:56 PM	SWA-16	EAD	TV	OTF	1	73
P00776906-1	12/11/2021	6:28:44 PM	VWY-15	EAA	EF	OFU	167	12,344
P00775364-1	12/11/2021	6:29:06 PM	FLD-12	EAD	TV	OCO	2	112
P00776909-1	12/11/2021	6:34:47 PM	SPG-13	ECC	TV	OCO	1	702
P00776926-1	12/11/2021	7:04:11 PM	BIG-12	EAC	EF	OFU	165	31,760
P00776940-1	12/11/2021	7:26:04 PM	FNW-17	ECD	TV	OCO	1,559	103,179
P00776956-1	12/11/2021	7:50:17 PM	MAN-15	ECD	TV	OSV	1	1,260
P00776940-1	12/11/2021	8:33:16 PM	FNW-17	ECD	TV	OCO	2,416	53,088
P00776940-1	12/11/2021	9:32:06 PM	FNW-17	ECD	TV	OCO	1,559	42,949
P00777029-1	12/11/2021	9:35:30 PM	PLG-16	ECC	EF	OTR	7	1,607
P00777035-1	12/11/2021	9:39:42 PM	FNW-17	ECD	EF	OIN	56	45,712
P00777050-1	12/11/2021	10:14:23 PM	CREW1	ECA	AC	UPS	38	4,198
P00776984-2	12/11/2021	10:46:22 PM	SPG-13	ECC	EF	OCO	17	6,600
P00776940-1	12/11/2021	10:55:39 PM	FNW-17	ECD	TV	OCO	444	23,828
P00777059-1	12/11/2021	11:43:03 PM	DGR-17	ECA	TV	OTR	28	10,533

Terms, Codes and Definitions Used on Detail Reports

Notification (NUMBER)	A number assigned by SAP, identifying the outage record	
Date (DATE)	The date of the outage	
Time (TIME)	The time of the outage	
Circuit (CKT)	The circuit identifier for the affected circuit	
Area (MPG)	Maintenance Planner Group A code representing the energy, region and service center	
	EAA – Bellingham	EBJ – South King
	EAC – Skagit	EBL – Vashon
	EAD – Whidbey	ECA – Puyallup
	EBD – Redmond	ECC – Olympia
	EBE – Factoria	ECD – Port Orchard
	EBF – Snoqualmie	ECE – Poulsbo
	EBI – Enumclaw	
Cause (CAZ)	Cause of Outage	
	AO – Accident Other	EF – Equipment Failure
	BA – Bird or Animal	EO – Electrical Overload
	CP – Car Pole	FI – Faulty Installation
	CR – Customer Request	TF – Tree Off Right-of-Way
	DU – Dig-up Underground	TO – Tree On Right-of-Way
	TV – Trees/Vegetation	SO – Scheduled Outage
	UN – Unknown	
Equipment (EQT)	Affected by, or involved in the outage	
	OCN – Connector	OSW – Overhead Switch
	OCO – Overhead Conductor	OTF – Overhead Transformer Fuse
	OCR – Crossarm	OTR – Overhead Transformer
	OFC – Overhead Cut-out	OUP – OH to UG Primary
	OFS – Overhead Fire Signal	OUS – OH to UG Secondary Service
	OFU – Fuse Link/OH Line Fuse	SBF – High-side Bank Fuse
	OGS – Span Guy	SCB – Power Circuit Breaker
	OHR – Overhead Recloser	UOT – Underground Outdoor Term
	OIN – Insulator	UPC – Underground Primary Cable
	OJU- Jump Wire	UPT – Padmount Transformer
	OPI – Overhead Pin Insulator	USV – Underground Service
	OPO – Pole	UTC – Underground Terminal Fuse
	OSV – Overhead Service	UTR – Submersible Transformer
	ORE – Regulator	
CUST OUT (CUST.OUT)	Customer Out , The number of customers without power for any given outage record	
CUST MIN (CUST. MIN)	Customer Minutes , The total number of minutes customers were without power for any given record	

Media & Communication Coverage

Powerful winds leave thousands across Whatcom County without power

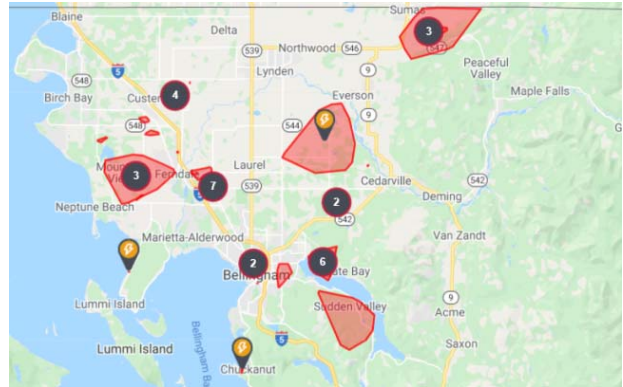
BY WHATCOM NEWS ON DECEMBER 11, 2021
5:00AM

WHATCOM COUNTY, Wash. — Puget Sound Energy (PSE) reported 16,801 of their customers throughout the Puget Sound region were without power as of 4am today, December 11th. Over half of those addresses were within Whatcom County.

Strong wind gusts have been reported by weather stations across the county since midnight.

- Ferndale – 61mph at 12:50am
- Bellingham Airport – 60mph at 12:50am
- Sandy Point – 51mph at 2am
- Lynden – 54mph at 2:25am

A National Weather Service high wind warning remains in effect until 8am today. It warns of southerly sustained winds of 30 to 40mph with gusts up to 60mph. The warning area includes San Juan County, western Whatcom County, north coast, central coast, western Skagit County and the Admiralty Inlet area.



Power outages reported following heavy rain, wind in Puget Sound lowlands

Several utility companies reported power outages across Puget Sound as a powerful system brought heavy rain and strong winds to the region.

Author: KING 5 Staff

Published: 8:09 PM PST December 10, 2021

Updated: 9:12 AM PST December 12, 2021

SEATTLE — A powerful storm system brought heavy rain and gusty winds to the lowlands along with significant mountain snow Friday into Saturday. Winds decreased Saturday morning but remained breezy into the afternoon with gusts in the 25-35 mph range.

As of midnight, the National Weather Service (NWS) reported peak wind gusts of 60 mph in Bellingham, 53 mph in Everett, 41 mph at Boeing Field, and 56 mph at the Tacoma Narrows Airport.

